

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Date: June 25, 2003

ALLEN F. PODELL

Filed : June 25, 2003

For : COUPLER HAVING AN UNCOUPLED SECTION

Mail Stop PATENT APPLICATION

Commissioner for Patents

P.O. Box 1450

Alexandria, Virginia 22313-1450

Sir:

INFORMATION DISCLOSURE STATEMENT
UNDER 37 C.F.R. §§ 1.56, 1.97, and 1.98

Applicant is submitting this Information Disclosure Statement pursuant to 37 C.F.R. §§ 1.56, 1.97, and 1.98 to disclose to the Patent Office the patents, publications, applications, and/or other references listed on the enclosed, completed PTO-1449 forms. The filing of this Information Disclosure Statement should not be construed as a representation that a search has been made or as an admission that the listed references are prior art for this application. Applicant respectfully requests that the listed references be expressly considered during prosecution of the application, and that the references be made of record therein and appear among the "references cited" on any patents issuing therefrom.

CONTENT OF DISCLOSURE

This Information Disclosure Statement includes (1) two pages of PTO-1449 forms, and (2) a legible copy of each reference listed on the forms.

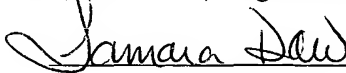
TIMING OF DISCLOSURE / FEE INFORMATION

This Information Disclosure Statement is being filed with the application. Therefore, in accordance with 37 C.F.R. § 1.97(b), no fee or statement under 37 C.F.R. § 1.97(e) is required.

Please contact the undersigned with any questions or comments regarding this Information Disclosure Statement.

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I hereby certify that the attached correspondence is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. 1.10 on the date indicated above and is addressed to: Mail Stop PATENT APPLICATION, Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.



Tamara Daw



Respectfully submitted,

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FORM PTO-1449 INFORMATION DISCLOSURE CITATION IN AN APPLICATION	DOCKET NUMBER WTE 301	APPLICATION NUMBER
	APPLICANT Allen F. Podell	
	FILING DATE June 25, 2003	GROUP ART UNIT

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FIL. DATE IF APPROP.
	6,518,856	2/11/2003	Casale et al.			
	6,407,648	6/18/2002	Johnson			
	6,020,783	2/1/2000	Coppola			
	6,246,299	6/12/2001	Werlau			
	5,982,252	11/9/1999	Werlau			
	5,926,076	7/20/1999	Johnson et al.			
	5,889,444	3/30/1999	Johnson et al.			
	5,563,558	10/8/1996	Mohwinkel et al.			
	4,999,593	3/12/1991	Anderson			
	4,937,541	6/26/1990	Podell et al.			
	4,800,345	1/24/1989	Podell et al.			

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES NO	

OTHER DOCUMENTS

✓	An, Hongming et. al, <i>IA 50:1 Bandwidth Cost-Effective Coupler with Sliced Coaxial Cable</i> , IEEE MTT-S Digest, pp. 789-792, June 1996.
✓	Walker, J.L.B., <i>Analysis and Design of Kemp-Type 3 dB Quadrature Couplers</i> , IEEE Transactions on Microwave Theory and Techniques, Vol. 38, No. 1, pp. 88-90, January 1990.
✓	Bickford, Joel D. et. al, <i>Ultra-Broadband High-Directivity Directional Coupler Design</i> , IEEE MTT-S Digest, pp. 595-598, 1988.
	Young, Leo, <i>The analytical equivalence of TEM-mode directional couplers and transmission-line stepped-impedance filters</i> , Proceedings IEEE, Vol. 110, No. 2, pp. 275-281, February 1963.

EXAMINER

DATE CONSIDERED

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	4,216,446	8/5/1980	Iwer			
	4,158,184	6/12/1979	Kenyon			
	3,967,220	6/29/1976	Tagashira et al.			
	3,516,024	6/2/1970	Lange			

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES NO	

OTHER DOCUMENTS

	✓	Levy, Ralph, <i>General Synthesis of Asymmetric Multi-Element Coupled-Transmission-Line Directional Couplers</i> , * IEEE Transactions on Microwave Theory and Techniques, Vol. MTT-11, No. 4, pp. 226-237, July 1963.
	✓	Monteath, G.D., <i>Coupled Transmission Lines as Symmetrical Directional Couplers</i> , Proc. IEE, Vol. 102, Part B, No. 3, pp. 383-392, May 1955.
	✓	Oliver, Bernard M., <i>Directional Electromagnetic Couplers</i> , * Proc. IRE, Vol. 42, No. 11, pp. 1686-1692, November 1954.
	✓	Gerst, C.W., <i>11-7 Electrically Short 90° Couplers Utilizing Lumped Capacitors</i> , Syracuse University Research Corporation, pp. 58-62, (year unknown).
EXAMINER		DATE CONSIDERED